





DEPARTMENT OF NATURAL RESOURCES  
MISSOURI CLEAN WATER COMMISSION  
1014 MADISON STREET, P. O. BOX 154  
JEFFERSON CITY, MISSOURI 65101  
TELEPHONE 314 751-3241



10.500  
NPDES Permit

July 24, 1974

Mr. Jerome H. Svore  
Regional Administrator  
Environmental Protection Agency  
1735 Baltimore  
Kansas City, Missouri

ATTENTION: Permit Branch

Dear Mr. Svore:

Attached is a copy of the Clean Water Commission Program Plan for Fiscal Year 1975 as approved by your office. Please place this in our NPDES permit submission package in place of the Fiscal Year 1974 plan contained therein.

Yours truly,

James P. Odendahl, P.E.  
Director  
Section of Industrial Waste and Permits  
Missouri Clean Water Commission

JPO/ih

enc.

STATE OF MISSOURI  
WATER POLLUTION CONTROL PROGRAM PLAN  
FISCAL YEAR 1975

Missouri Clean Water Commission  
1014 Madison  
P.O. Box 154  
Jefferson City, Missouri 65101

July 1, 1974

STATE OF MISSOURI  
WATER POLLUTION CONTROL PROGRAM PLAN

FISCAL YEAR 1975

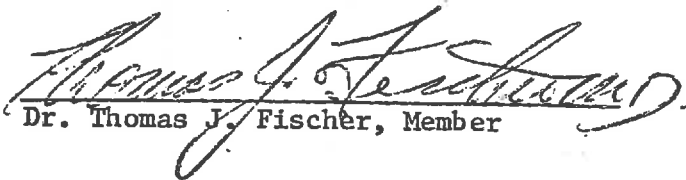
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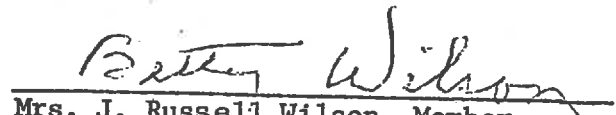
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THE MISSOURI CLEAN WATER COMMISSION HAS  
REVIEWED AND APPROVE THE STATE WATER POLLUTION  
CONTROL PROGRAM PLAN FOR FY 1975.

  
John W. Barnhart, Chairman

  
Theodore G. Scott, Member

  
Dr. Thomas J. Fischer, Member

  
Mrs. J. Russell Wilson, Member

  
Robert A. Mueller, Member

  
Ralph Lowe, Member

JUL 1 1974



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VII  
1735 BALTIMORE -- ROOM 249  
KANSAS CITY, MISSOURI 64108

June 27, 1974

Mr. Jack K. Smith  
Executive Secretary  
Missouri Clean Water Commission  
P. O. Box 154  
Jefferson City, Missouri 65101

Dear Mr. Smith:

We have approved the Fiscal Year 1975 Missouri Water Pollution Program Grant with four exceptions. We have not received the Office of Management and Budget Circular A-95 review letter, the criteria system and resulting project list for Fiscal Year 1975 construction grants. Also, we need maps of the proposed planning areas to be considered for regionalization which will outline the municipalities to be included. Complete program approval and grant award will be withheld until we receive these documents. The grant award is, of course, subject to Congress appropriating Federal funds.

If you have any questions, contact Gene A. Ramsey, Area  
Code 816 - 374-2921.

Sincerely yours,

A handwritten signature in cursive script that reads "Jerome H. Svore".

Jerome H. Svore  
Regional Administrator

*Copy sent to Jim Wilson 7/5/74*

MISSOURI CLEAN WATER COMMISSION

12.191

June 14, 1974

Mr. Marvin Nodiff  
Governor's Program Assistant  
Governor's Office  
Capitol Building  
Jefferson City, Missouri 65101

Dear Mr. Nodiff:

Enclosed for your review is a copy of the state program plan for water pollution control for Fiscal Year 1975.

The state and federal money for the program remain the same as for Fiscal Year 1974 except that the Environmental Protection Agency has advised us we may use Fiscal Year 1974 carryover funds in our Fiscal Year 1975 program. These funds are estimated to be at least \$150,000. In order for us to receive full funding of our program, it will be necessary for us to employ personnel to allow us to take over plan and specifications review of Missouri grant projects, increase our monitoring capability of effluents into waters of the state and to train waste treatment plant operators at the regional level. This will result in a staff increase of 9 persons.

We have applied to the State Manpower Council for manpower training funds in the amount of \$89,700 through the C.E.T.A. program. These funds would be used for training wastewater treatment plant operators.

We hereby request the Governor's A-95 signoff so our plan may be submitted to the Environmental Protection Agency.

Yours truly,

Jack K. Smith, P.E.  
Executive Secretary

JKS/ESL/fw

Enclosure

MISSOURI CLEAN WATER COMMISSION

10.910

June 14, 1974

Mr. Jerome H. Svore  
Regional Administrator  
Environmental Protection Agency  
1735 Baltimore  
Kansas City, Missouri 64108

Dear Mr. Svore:

Enclosed is Missouri's State Program submittal for Fiscal Year 1975.  
Also enclosed are copies of letters sent to the Department of  
Community Affairs and to the Governor's office submitting the  
plan to them for A-95 signoff.

The Fiscal Year 1975 criteria for funding grant projects and  
the resulting project list will be submitted to you after the  
Clean Water Commission meeting on June 24.

Yours truly,

Jack K. Smith, P.E.  
Executive Secretary

JKS/ESL/fw

Enclosure



MISSOURI CLEAN WATER COMMISSION

12.131

June 14, 1974

Mr. Terry Rehma  
Department of Community  
Affairs  
505 Missouri Boulevard  
Jefferson City, Missouri 65101

Dear Mr. Rehma:

Enclosed for your review is a copy of the state program plan for water pollution control for Fiscal Year 1975.

- The state and federal money for the program remain the same as for Fiscal Year 1974 except that the Environmental Protection Agency has advised us we may use Fiscal Year 1974 carryover funds in our Fiscal Year 1975 program. These funds are estimated to be at least \$150,000. In order for us to receive full funding of our program, it will be necessary for us to employ personnel to allow us to take over plan and specifications review of Missouri grant projects, increase our monitoring capability of effluents into waters of the state and to train waste treatment plant operators at the regional level. This will result in a staff increase of 9 persons.

We have applied to the State Manpower Council for manpower training funds in the amount of \$89,700 through the C.E.T.A. program. These funds would be used for training wastewater treatment plant operators.

We hereby request the Governor's A-95 signoff so our plan may be submitted to the Environmental Protection Agency.

Yours truly,

Jack K. Smith, P.E.  
Executive Secretary

JKS/ESL/fw

Enclosure

## STATE OF MISSOURI WATER STRATEGY

The continuing planning process approved by the Environmental Protection Agency addressed the pollution problems in the state of Missouri. The state is divided into eight (8) basins for planning purposes, and the eight (8) basins are further subdivided into 84 segments. The segments are ranked in order of priority considering the: (1) severity of pollution problems; (2) population affected; (3) need for preservation of high quality water and (4) national priorities as determined by the E.P.A.

The basin plans will include a detail inventory of all wastewater facilities, the quality of their effluents as related to the effluent regulations of the Missouri Clean Water Commission after adoption, the effect on the receiving stream and the date the facility will reach design capacity based population projections. This information will be used to project construction needs several years into the future.

Our estimate of the most severe pollution problems are located in the 15 water quality limited segments with their general location shown on the attached map of Missouri, outlining the eight (8) planning basins. Also shown on this map are the areas of the state affected by acid mine drainage due to strip mining for coal as well as the Salt River Basin and that part of the Missouri River Basin affected by non-point sources of pollution.

The pollution problems in water quality segments violate the water quality standards after application of secondary treatment to the municipal waste treatment plants and best practicable control technology to industrial wastes. Waste load allocation studies will be conducted in these segments and the waste loads will be so allocated that there will be no violation of the water quality or effluent standards.

The Clean Water Commission has contracted for waste load allocation studies in Perche Creek in the Columbia area, the Meramec River from Times Beach to its mouth, the Wilson Creek-James River area near Springfield and the Little Sac River near Springfield. These studies scheduled for completion by June 30, 1974, will produce mathematical models which can be used to allocate pollutant loads in these segments which will bring the streams into compliance with the water quality standards.

Waste load allocation studies will be scheduled for the other water quality segments as funds become available. Those segments with problems associated with low dissolved oxygen due to organic waste loads are: Platte River (1), Big Blue River (2), Little Blue River (3), Big Creek (4), Perche Creek (6), Coldwater Creek (7) Little Sac River (12) and James River (13). Those segments with problems associated with heavy metals due to mining are: East Fork of Chariton River (5), Big River (9), Little St. Francis River (10) Center Creek (14) and Turkey Creek (15). The Big Piney River's (11) problems are associated with excessive nutrients and the lower Meramec River's (8) problems are associated with industrial waste.

Cedar Creek which forms the boundary between Boone and Callaway Counties and some of the small streams in the West and West Central part of the Osage River Basin are polluted intermittently with acid drainage due to abandoned strip mining operations for coal. The U.S. Forest Service continues to buy forest land in the Cedar Creek area which includes abandoned strip mining land with the intention of reclamation.

The Clean Water Commission's Executive Secretary is a member of the Land Reclamation Commission and we will work with them to establish priorities for reclaiming problem areas using Federal money as it becomes available. No state money is available for this purpose.

June 6th to June 20th, 1967, heavy rainfall occurred in the Missouri River Basin and flows in the Missouri River ranged from 80,000 to 260,000 cfs with an average of 180,000 cfs at Kansas City. Dissolved oxygen analyses were performed from St. Joseph to Jefferson City. 70% of these samples in the 3-week period were less than 4 mg/l of Dissolved Oxygen with some samples indicating a D.O. near zero. The magnitude of pollution required to depress the D.O. during this period cannot be accounted for by point sources.

Dissolved oxygen depressions were noted in the Missouri River at St. Joseph, Missouri on March 30, April 24, May 8, May 29, July 6, July 19 and August 13, 1973. In each case, the low dissolved oxygen was preceded by a rapid increase in flow measured at the St. Joseph gage. The 1973 data supports the 1967 data with the conclusion that the problem is due to runoff from agricultural lands from the four states in the region. A solution to the problem will require a coordinated effort by the states and regional office personnel of the E.P.A.

We plan to cross section the Missouri River at St. Joseph in FY 1975, during a time of low dissolved oxygen, to help determine the source of the pollution.

On July 7, 1969, the flow in the Salt River a few miles upstream from its mouth was 33,000 cfs and the total phosphorus as  $PO_4$  measured in the stream was 1.3 mg/l.

The hydrograph showed this flood lasted a week. The total pounds of phosphorus as P measured in the stream was 75,591. Sampling of the sixteen waste treatment plants in the basin indicated a total phosphorus contribution as P of 119,069 pounds for the year. One day of flood flow in the Salt River on July 7, 1969, contributed 63.5% of the pounds of total phosphorus discharged by all the municipal waste treatment facilities above that point for a year. This non-point source contribution of phosphorus causes concern for the future water quality of Clarence Cannon Reservoir. These are two problems due to non-point sources that we are aware of.

One man is on loan to the Clean Water Commission from the Soil Conservation Service to work on both the point and non-point sources of pollution from Agricultural activities.

Since the development of the Missouri approach to animal waste management, the public as well as potential polluters have been made aware of the need for waste management systems. Through our cooperative program with the University of Missouri Extension Division and the Soil Conservation Service, the Clean Water Commission has issued 260 Letters of Approval to operate animal waste management systems. In addition we have 340 planned systems that have received our Letter of Approval to construct the systems.

The number of feedlots for which we have no management systems are few and we are working with these owners to obtain compliance with the Clean Water Law. In general, the owners of feedlots have been very cooperative in providing adequate waste management systems.

The waste management guide is currently being updated to broaden its scope to include more types of animals and to provide additional management guides for operation. We are conducting field investigations on facilities in operation to

identify the areas of deficiency for updating our waste management guide.

Ground water pollution has not been defined in the state at this time. We may use the records of the water supply section of the Division of Health concerning municipal wells as a place to begin with a monitoring program. The Missouri Geological Survey advises that most of the state is not suitable for septic tank-soil absorption systems although this method is commonly used by developers. The proposed subdivision regulations of the Missouri Clean Water Commission addresses this problem and a public hearing will be held on this proposed regulation April 24, 1974.

An examination of the Missouri Clean Water Commission data for 1973 and the U.S.G.S. data for water year 1973 for the monitoring stations on streams in Missouri reveal few violations of standards for which we have numerical value established. For example, in 1973, there were less than 10 pH values outside the 6.5-8.5 range and some of these were found on streams receiving acid mine drainage and some were on the streams in the lead belt in Southeast Missouri. There were no violations noted for temperature.

The ammonia criterion has not been violated for either Center Creek below Grove Creek or for the James River below Wilson Creek since October 1972. The water quality improvement in Center Creek (Basin 1004) is further substantiated by biological sampling. Our stream survey in 1965 indicated very few organisms by Center Creek below Grove Creek while our survey of the same stations in February 1974 showed a large number of organisms and diversity in all Center Creek stations below Grove Creek. The improvement in Center Creek is due to upgrading of waste treatment facilities by industries on Grove Creek. The compliance with the ammonia criterion on the James River below Wilson Creek (Basin 1005) since October 1972 is due to: (1) An industry connected to the Springfield collection system discontinued the use of ammonia for neutralization of an inplant acid stream, and (2) The city commenced operation of mechanical aerators on their tertiary lagoon on July 1, 1973.

Two ammonia violations were noted on the Missouri River, and violations were also noted in water quality limited segments 6 and 12.

A review of our 1973 monitoring data indicates 2 violations of the dissolved oxygen criterion. These included one sample each at Perche Creek (Water Quality segment 6) and the Osage River at Warsaw (Basin 0914). In addition, the special water quality surveys for the waste load allocation studies revealed a regular violation of the dissolved oxygen criterion on the Little Sac River below Springfield and on Perche Creek below Columbia. Violation of the water quality standards for Lake Taneycomo has occurred during the fallover the past few years due to release of low D.O. water from Table Rock Lake. The Corps of Engineers has completed installation of a system to add oxygen to the penstocks at Table Rock Dam. It is anticipated that this will correct this problem.

At no time did lead exceed 0.1 mg/l in streams in Southwest Missouri. Zinc concentration exceeded the 1 mg/l limit 2 out of 6 times on Turkey Creek at Joplin and 1 out of 3 times on Center Creek at Smithfield.

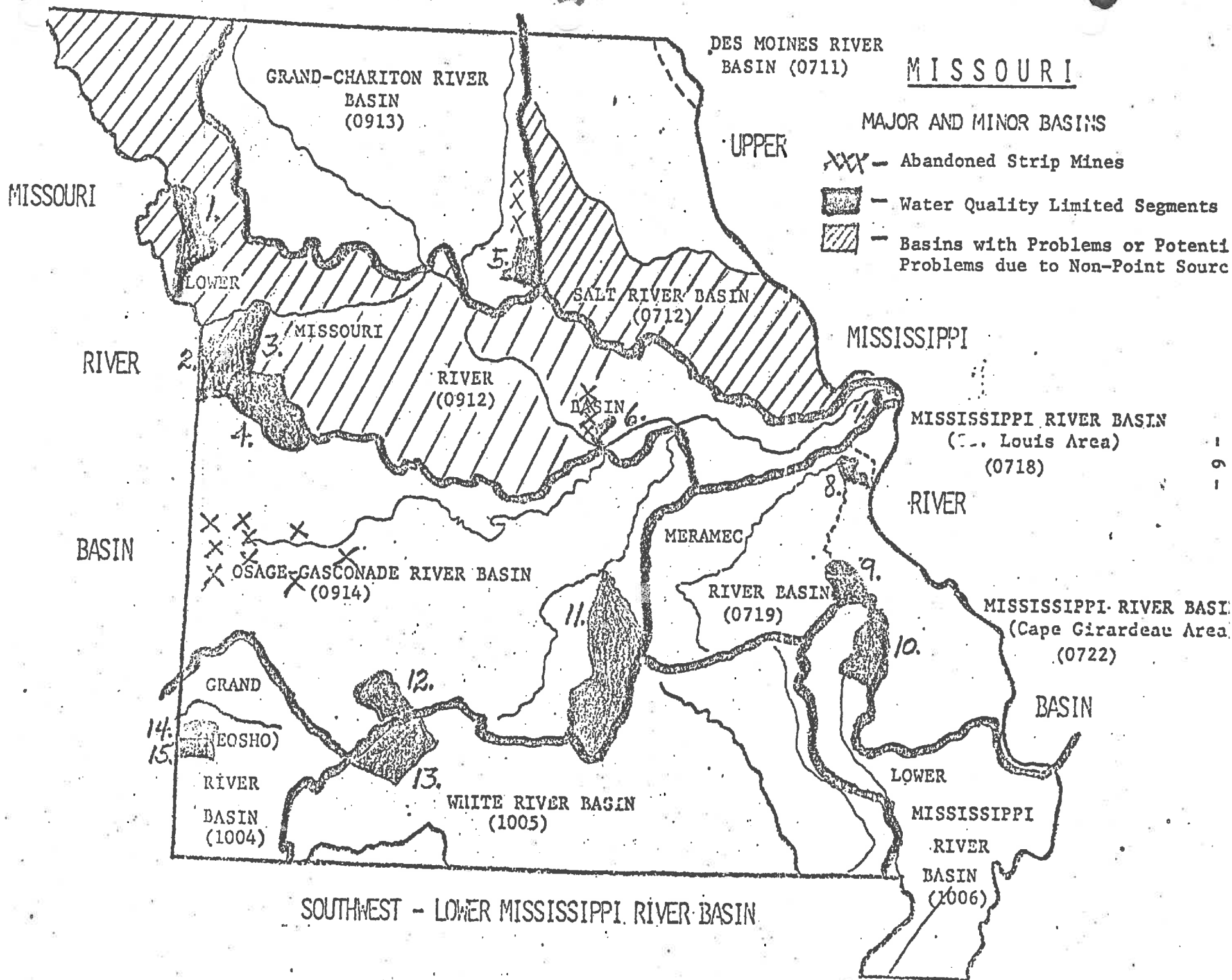
The criterion most often exceeded is Fecal Coliform bacteria. We have analyzed 330 samples collected from various streams over the state and represents all the data we have so far for the 1973 water year. 113 of the samples exceeded the standard

for fecal coliform if flow is not considered. We do not have complete flow data but we estimate that 40% of the 113 samples were collected during flood flows at which time the standard does not apply.

No samples violated the flouride criterion. We have no data on radioactive materials at this time.

These are only the criteria with numerical values and do not include violations of turbidity, oil and grease, color, solids or taste and odor producing substances that may occasionally exist.

The state plans to continue its efforts to upgrade the skills of waste treatment plant operators through seminars and on the job training. The Commission encourages cities and sewer districts to send their employees to schools and short courses conducted by various technical schools, junior colleges and universities. The Clean Water Commission has recognized the need for licensing of wastewater treatment plant operators. Mandatory licensing legislation has failed in many legislative sessions. Our attorney believes we have the authority to adopt a regulation which will accomplish the same purpose. A committee appointed in the Missouri Water Pollution Control Association representing industry, the Missouri Municipal League, the voluntary licensing board and municipalities will develop a proposed regulation to be presented to the Clean Water Commission by September 1, 1974.



## MONITORING

### STREAM MONITORING

The state will continue its stream surveillance network stations and will cooperate with the Federal Environmental Protection Agency in their National Water Quality Surveillance System of paired stations.

The state's stream surveillance network measures the chemical, physical, bacteriological and biological quality of the water of significant streams that enter and leave the state or discharge to the Missouri or Mississippi Rivers. The network stations collect historical data for the purpose of detecting trends in water quality within the significant stream basins.

Operating the network stations will be the cooperative efforts of the Missouri Clean Water Commission staff, U.S. Geological Survey, the water pollution control agencies of Kansas and Illinois, the St. Joseph Water Company and the City of Springfield.

### Permanent In-Stream Water Quality Sampling Stations

The Missouri Clean Water Commission will operate 136 permanent in-stream water quality sampling stations for FY 1975.

1. 31 stations sampled on a monthly basis by the U.S. Geological Survey.
2. 8 stations sampled on a monthly basis cooperatively by U.S.G.S. and the - Kansas Department of Health.
3. 9 stations sampled on a bi-monthly basis by U.S.G.S.
4. 46 stations sampled on a quarterly basis by Missouri Clean Water Commission staff.
5. 7 stations sampled on a monthly basis by the Missouri Clean Water Commission staff.
6. 25 stations sampled on a quarterly basis cooperatively by M.C.W.C. staff and U.S.G.S.
7. 6 stations sampled on a monthly basis cooperatively by the Illinois Environmental Protection Agency and M.C.W.C. staff.
8. 1 station sampled on a weekly basis by U.S.G.S.
9. 3 stations monitored for temperature on a continuous basis by U.S.G.S.
10. In addition, temperature, dissolved oxygen, pH and specific conductance are measured and recorded on a continuous basis at 6 of the monthly stations by U.S.G.S. and the St. Joseph Water Company.
11. At 2 monthly stations, specific conductance is measured and recorded continuously by the U.S.G.S.

### COMPLIANCE MONITORING

In FY 1975 it will be our intention to collect at least one sample from each municipal and major industrial wastewater treatment plant. There are approximately 550 municipal and 30 major industrial facilities in the state. In addition to this we plan to sample an additional 400 minor industrial facilities. Frequency and parameters will be dependent on the size and complexity of the wastewater treatment plant and the character of the waste. Efforts will be made to encourage operators of all wastewater treatment plants to perform self monitoring of their waste effluents.

The Neosho Water and Wastewater Technical School will collect and analyze 12 samples from each of 5 industries and municipalities. The school has completed 12 monthly samples from 21 municipal wastewater facilities and 12 industrial wastewater facilities. As a follow up to the Fiscal Year 1974 program, the School will collect 4 samples from each of 6 or 7 cities, 2 samples from each of 6 or 7 other cities, and 1 sample from each of 6 or 7 more cities.

Also, as a necessary part of compliance monitoring will be pollution surveys and/or sample collection and analyses for enforcement. This program will have top priority; it is our best estimate that it will demand approximately 10% of the laboratory's efforts.

#### SECTION 305 B OF PUBLIC LAW 92-500

This section has been noted and will be considered in the third quarter of Fiscal Year 1975 when guidelines are available from Environmental Protection Agency.

#### NON-POINT SOURCE PROBLEMS

The sources known are included in the State Strategy. If a grant or extra money can be obtained, an agricultural run off study may be planned.



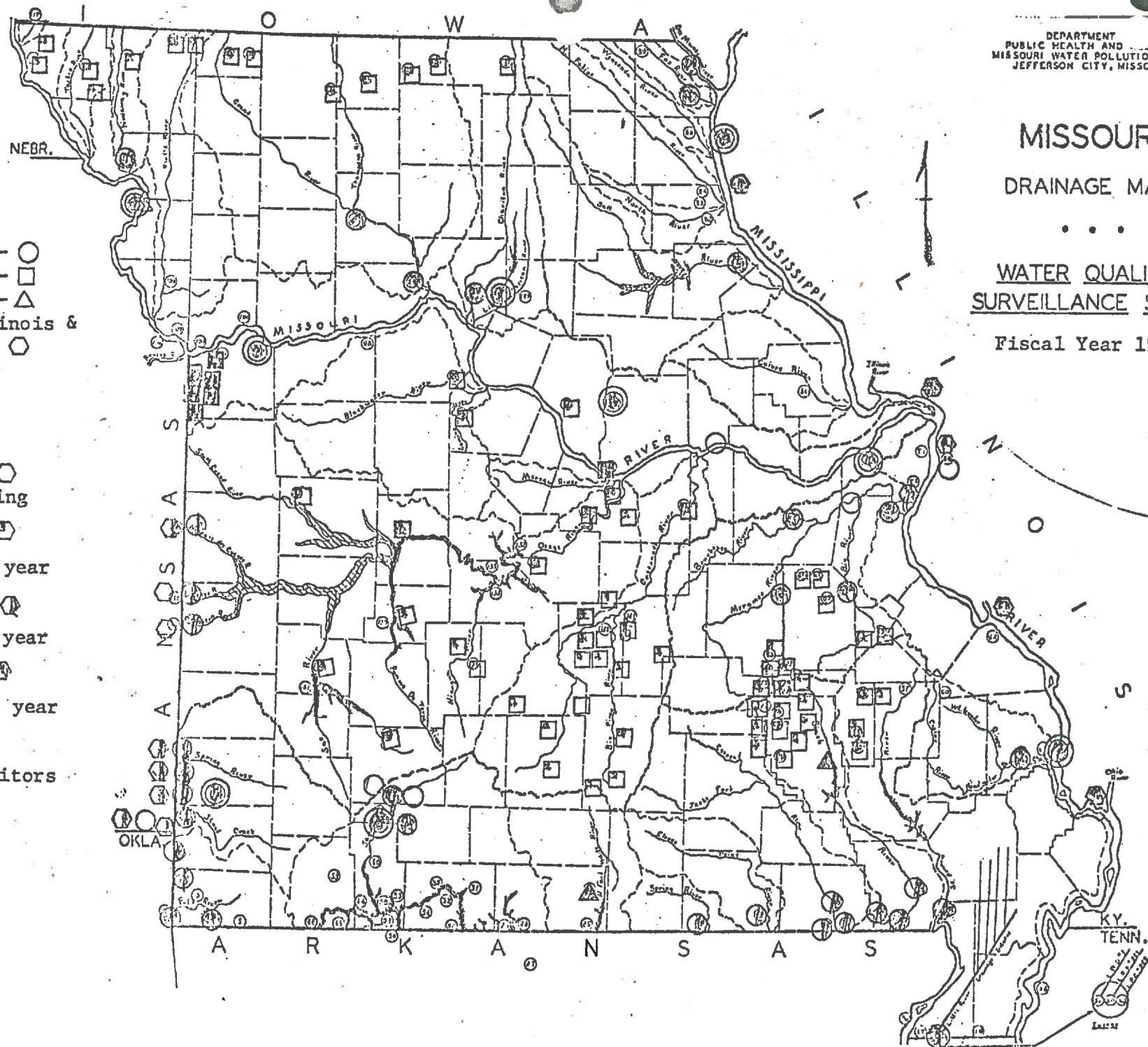
# MISSOURI DRAINAGE MAP

## WATER QUALITY SURVEILLANCE SYSTEM

Fiscal Year 1975

USGS --- ○  
CWC --- □  
EPA --- △  
COOP with Illinois &  
Kansas --- ◊

○ □ △ ◊  
Special Sampling  
④ ⑤ ⑥ ⑦  
4 Samples per year  
⑧ ⑨ ⑩ ⑪  
6 Samples per year  
⑫ ⑬ ⑭ ⑮  
12 Samples per year  
⑯  
Continuous monitors



## ENFORCEMENT

The Clean Water Commission presently has 67 cases of alleged violations under consideration for enforcement action. During FY 1974, the Executive Secretary has issued 16 Abatement Orders as of April 1, 1974. One staff member is assigned full time to enforcement activities with the Attorney General's office. The Clean Water Commission currently has one Assistant Attorney General on the payroll. The lack of additional legal help has resulted in a slight reduction in enforcement activities over the past few months, while much of the attorney's time has been spent drafting regulations.

Fiscal Year 1974 has seen the passage of a new Clean Water Law (Senate Bill 321) and considerable effort made toward the adoption of effective regulations on spill prevention, permits, effluents and control of subdivision development. The final passage of these regulations will greatly increase the effectiveness of enforcement activities by complementing and widening the scope of the Clean Water Law. The final adoption of the regulations will result in a large increase in enforcement activities. This will be particularly true in conjunction with the permit program.

The Clean Water Commission's enforcement program for FY 1975 will be based primarily on the discharge permit. It is currently visualized that the basic element of this program will involve the use of the monitoring and compliance portions of the discharge permit. It will be the enforcement section's task to see that monitoring and compliance schedules are being followed by all permit holders. The majority of the anticipated increase in work load will come from this portion of the program.

## NPDES PERMITS

Passage of the 1972 Federal Water Pollution Control Act Amendments, P.L. 92-500, and the Missouri Clean Water Law, Senate Bill 321, have enabled the state of Missouri to proceed with the preparation of our submission to take over the NPDES permit program. This submission has been made, and is currently undergoing review of the various sections of the Environmental Protection Agency. By the end of June, 1974, all necessary regulations will be in effect and hopefully the authority will be passed to the State not later than July 1, 1974, pending resolution of some problems between the Environmental Protection Agency's Washington legal staff and the Missouri Attorney General's office.

In the meantime, we are drafting permits and preparing public notices which are then issued by E.P.A. Region VII for dischargers within the state of Missouri. Since the Federal statute requires that all dischargers have permits by December 31, 1974, our schedule is to meet these dates. A breakdown for the municipal and industrial permits is shown on the "Output Commitment and Report Form" herein. In addition to those categories, our records show that there will remain some 2,400 small privately owned domestic waste treatment facilities which will require NPDES permits. Our plans are to process these before December 31, 1974. To do this will require each of our six regional offices to submit draft permits conditions to the Central Office at a rate of approximately three (3) per working day between July 1, 1974 and December 31, 1974. We are planning to obtain temporary clerical help to assist in the Central Office processing of these during the first six months of FY 1975. Total staff to be allotted to this program represents 22.6 man years during FY 1975.

Of this 22.6 man years, 6.35 will be used in the Central Office with 16.25 available in the regions. Regional staff will be augmented with temporary clerical help and contracted consulting services as needed, provided financing and funds can be made available. The industrial discharge applications will have been processed by July 1, 1974 under our present schedule, and the attached list shows the ranking of the major dischargers.

The municipal ranking shows that we intend to process grant projects first, followed by those dischargers to water quality limited segments.

Known agricultural operations that may require NPDES permits have been contacted and any such applications will be reviewed by the Clean Water Commission, using an engineer on loan to us from the Soil Conservation Service. This does not involve a large number, and he will also work on non-point source controls for basin plans.

Municipal and industrial inventories will be submitted by May 1, 1974.

#### EMERGENCY SPILL ACTIVITIES

The Missouri Clean Water Commission has employed one member of the staff to act as half-time emergency spill coordinator. The functions of this position are:

1. Response and assistance in the event of an accidental spill.
2. Coordination of the efforts of state agencies, the federal agency and the responsible party.
3. Preparation and publishing of the state contingency plan.
4. Field investigations related to the storage and handling of petroleum products and hazardous materials.

The Emergency Spill Coordinator's position is established on the following basis: the coordinator, or his assistant is on call 24 hours a day, 7 days a week. This status is made possible by the utilization of Answer Jeff-City, a local answering service that operates on a 24-hour basis. In addition to Answer Jeff-City, the spill coordinator, or his assistant, has in his possession, a Motorola Pagecom pager that is operated by Answer Jeff-City that allows the spill coordinator to be contacted within a 30 mile radius of Jefferson City. The emergency spill coordinator is on duty the entire month, except for one weekend, when an assistant spill coordinator is appointed for Friday, Saturday, Sunday and Monday morning.

The emergency spill coordinator has a Dodge Van equipped with a 4,000 watt Onan generator for response to emergency spills. At the present time, plans call for the installation of cabinets and external lighting system that will provide up to 2,000 watts of electrical lighting in the event that an accidental spill occurs during the night hours. In addition to the lighting system, the van contains one small gasoline engine driven pump that can be used in an emergency to pump petroleum products or hazardous materials from waters of the State. At the present time, there are no plans for the purchase of boom material, or absorbant material, that could be used to control petroleum spills.

The emergency spill coordinator has the responsibility of supplying the Environmental Protection Agency and other state agencies with the necessary spill reports, photographs and samples that will be necessary in the event that the responsible party is taken to court for collection of damages. The emergency spill coordinator maintains a file of all spill reports that occur in the state of Missouri.

A spill summary has been prepared for calendar year 1973 - accidental spills. This report indicates that there were 34 accidental discharges totaling 55,858 gallons of gasoline in 28 spills; 6 reports listed undetermined quantities of gasoline. There were 37 spills of other petroleum products that amounted to 115,198 gallons. 15 spills reported an undetermined quantity of petroleum products. In addition to the petroleum spills, 32 reports of accidental discharges of other material were reported in the state of Missouri during 1973. These 32 reports ranged in size from one-half gallon spill of Dow-therm A, up to a spill amounting to 1,400 tons of fertilizer.

#### MUNICIPAL FACILITIES

A substantial increase in staffing for the Municipal Waste Section of the Missouri Clean Water Commission is anticipated for Fiscal Year 1975. Two Engineering positions will be added in the central office. Three Wastewater Works Supervisors will be added in the regional offices. In addition, some engineering review assistance for grant projects will be obtained from the regional office staffs. These staff adjustments will enable us to adequately carry out the municipal waste and training activities for the Missouri Clean Water Commission.

There are approximately 550 municipal wastewater treatment facilities in Missouri. We plan to make at least one inspection of each of these facilities during Fiscal Year 1975. These inspections will primarily be carried out by the Wastewater Works Supervisors in the regional offices. The Environmental Protection Agency inspection form 7500-5, or a comparable form will be utilized to conduct the inspection. Formal Reports on Investigation will be sent to the city following the inspection. These inspections will suffice for the Operation and Maintenance Surveys required by the Construction Grant Program.

The Missouri Clean Water Commission plans to resume total review of plans and specifications for grant projects as soon as possible after July 1, 1974. As stated above, staffing additions and adjustments are being made to provide for this. An agreement between the Missouri Clean Water Commission and Environmental Protection Agency is being developed for submittal and approval by Environmental Protection Agency on plans and specifications review. Three engineering man years will be devoted to plan and specification review.

The Chief of the Operation and Maintenance Division, working under the direct supervision of the Director of Municipal Waste, will conduct the review of Operation and Maintenance Manuals as outlined in our agreement with the Environmental Protection Agency, Region VII. Based on the number of grant projects underway, we anticipate receipt of approximately 50 Operation and Maintenance Manuals during Fiscal Year 1975. All manuals received will be reviewed.

Two engineering man years will be provided for review of 201 Facility Plans. This review will be closely coordinated with the Planning Section of the Missouri Clean Water Commission. It is estimated that approximately sixty 201 facility plans will be received in Fiscal Year 1975, however, all 201 facility plans received will be reviewed.

Attached to the plan is a 201 Facility Plan list and map of municipalities having potential for regionalization. The exact boundary lines are not delineated as these will be defined in each 201 Facility Plan. 201 Facility Plan boundaries for all

other cities will generally follow the city limit boundaries. Potential 208 Planning areas are also shown on the map. Projects within the potential 208 Planning areas will be expected to prepare a 201 Facility Plan for each project until a 208 Plan has been developed. The 201 Facility Plan in these areas shall be compatible with, and supplement existing planning documents on file. A list of the SMSA Planning documents is included in the attached binder pouch.

#### TRAINING

The operator training program for the Clean Water Commission will be conducted in much the same way as last year. Training programs consisting of 5 one week sessions at a minimum of 8 locations throughout the state will be held. The sessions will be scheduled once per month at each location. The first day of the week will be a lecture session with the remainder of the week devoted to individualized on-the-job type training. The Wastewater Works Supervisors in the regional offices will assist the Operator Training Specialist in this effort. Other special training programs will also be carried on. A minimum of 100 operators should receive training under this program. A total of 2½ man years of effort is planned in this program. This training effort will primarily be geared to upgrading of existing operators. The Water and Wastewater Technical School, Neosho, Missouri, and other technical schools carry on most of the entry level training.

The Missouri Clean Water Commission has applied to the State Manpower Council for manpower training funds in the amount of \$89,700 through the C.E.T.A. program. If these funds are received, \$52,700 will be used for contractual operator training programs carried on by the Neosho Water and Wastewater School. \$37,000 will be utilized by the Missouri Clean Water Commission to carry out the operator training program outlined above. If these funds are obtained, \$37,000 of our budgeted funds which are allotted to training can be diverted into other essential programs, such as monitoring, municipal plan review, planning, etc.

At the present time, Missouri does not have mandatory certification of operators. The Missouri Clean Water Commission plans to develop a manpower regulation on classification of treatment plants with required qualification of operators.

The output figures listed for operator certification are the number of certificates issued to operators by the Water and Wastewater Operator Certification Board, which is a voluntary licensing board. A representative of the Clean Water Commission staff is a member of this board. Staff members also participate in the conduct of examinations for certification.



## PLANNING

The Clean Water Commission did not receive the final guidelines for preparing 303(e) basin plans until the end of March 1974. The regulations for preparing the plans are not available at this time. We will plan to complete the Mississippi River Basin (St. Louis and Cape Girardeau areas) and Meramec River Basin (0719) and the Grand-Neosho River Basin (1004) by June 30, 1974. We will complete all 303(e) basin Plans by June 30, 1975.

We will complete waste load allocation studies by June 30, 1974 for: (1) The Little Sac River near Springfield; (2) Wilson Creek-James River near Springfield; (3) The Meramec River from Times Beach to its mouth and (4) Perche Creek near Columbia. It was our understanding that the additional state program money, if released by O.M.B., would be available for waste load allocation studies. This may not be true and we must consider completing waste load allocation studies for each point source in the Big Creek segment in house as a basis for permit issuance. If additional federal money becomes available waste load allocation studies in Coldwater Creek, Little St. Francis River and Platte River will be completed.

March 14, 1974 Governor Christopher S. Bond officially non-designated the entire state of Missouri for Section 208 Planning in accordance with P.L. 92-500.

The Governor designated the Missouri Clean Water Commission as the agency responsible for public hearings in the areas proposed for future 208 designation.

Public hearings were held in Kansas City on March 5, 1974, Joplin on April 3, 1974, Republic on April 4, 1974 and Columbia on May 3, 1974.

Ms. Jean Waltemath, Executive Secretary of the MO-KAN Regional Council requested the Clean Water Commission postpone indefinitely plans for a hearing in St. Joseph for section 208 Planning.

The Corps of Engineers is authorized by Congress to do an urban study in the St. Louis and Kansas City metropolitan areas. There is no formal agreement between the Clean Water Commission and the Corps of Engineers as to our role. The Clean Water Commission will actively seek an agreement of understanding on the following, which we believe should be our role:

1. Supply available Clean Water Commission data, inventories and other information.
2. Establish state goals and objectives for the basin or basins in which the urban study area is located.
3. Furnish established stream water quality standards and effluent regulations.
4. Make available a representative to serve on a committee or with the Corps of Engineers to insure that interests of the state in water pollution control are considered, and the requirements for an area wide waste treatment management plan - Section 208 of P.L. 92-500 - are included.
5. To make a final review of the urban study for compliance with the state's Water Quality Standards, Effluent Regulations, applicable state or basin goals and to certify the approval of the Clean Water Commission to the Governor.

LP-2

OUTPUT COMMITMENT AND REPORTING FORM

Program Element	FY 74		FY 75 Planned	First Quarter FY 75		Second FY Planned	Actual	Third Quarter FY 75		Fourth Quarter FY 75	Actual
	Planned	Actual		Planned	Actual			Planned	Actual		
<u>NPOES Permits</u>											
Municipal	80	200									
Major			75	30		45		(1)		(1)	
Minor			475	200		275		(1)		(1)	
Industrial	232 (2)	216									
Major			0	(1)		(1)					
Minor			2,000 (3)	800		1,200					
Agricultural	20	0	20	5		15		(1)		(1)	
<u>Municipal Facilities</u>											
MWT Plant Inspections	550	500	550	137		138		137		138	
Plan and Specification Review	N/A	N/A	80	20		20		20		20	
O&M Manual Review	65	45	50	12		13		12		13	
<u>Planning</u>											
* 303(e) Basin Plans sub- mitted for EPA approval	4	2	6	1		1		2		2	
Segments requiring waste load allocations to be done	4	4	1	1		0		0		0	
** 201 Facility Plans completed	65	75	60	15		15		15		15	

\* Attach list showing name and basin.

\*\* Attach map of areas in State where 201 plans will be prepared.

(1) Only those which were not known or had not previously filed for a permit would be processed plus new facilities. At this time, it is impractical to estimate the numbers that may be involved.

(2) Does not include miscellaneous small non-municipal domestic waste treatment facilities.

(3) This is an estimated number of small private domestic waste treatment facilities based on our state permit program.

**FISCAL YEAR 75  
OUTPUT COMMITMENT AND REPORTING FORM**

Page 2

Program Element	FY 74		FY 75 Planned	First Quarter FY 75		Second Quarter FY 75		Third Quarter FY 75		Fourth Quarter FY 75	
	Planned	Actual (2)		Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual
<u>Monitoring</u>											
Primary Monitoring Network Stations Chemical/Physical Biological	68	68	70 (1)	70		70		70		70	
National Water Quality Sur- veillance System Station Pairs (EPA/STATE)	10	10	10	1		1		1		1	
Number of Permit Compliance Inspections											
Municipal Facility	490	517	550	138		138		137		137	
Non-Municipal Facility	125	66	830 (3)	208		208		208		208	
P.L. 92-500 - Section 305(b) Report	N/A		1	0		0		0		1	
Non-Point Source Activity	None		None								
<u>Training</u>											
Operator Training	60	109									
Entry		27	20	5		5		5		5	
Upgrade		82	80	20		20		20		20	
Operator Certification	20	107									
Entry		53	40	10		10		10		10	
Upgrade		34	30	7		8		7		8	
<u>Enforcement</u>											
Administrative Orders Issued	25	23	25	7		6		6		6	
<del>XXXXXX XXXXXXXX</del> Enforcement Conferences	25	20	30	8		7		8		7	
<del>XXXXXXXXXXXXXXXX</del>											

(2) The actual figures for FY 1974 should be entered on both of these sheets (include projections for 1975)



BUDGET SHEET

FY 75

	Total Dollars	Manyears
Municipal Waste Facilities Operation and Maintenance	192,922	16.4
Permits	262,164	22.6
Planning	111,062	9.4
Monitoring	287,330	14.3
Enforcement	67,645	4.9
Training	33,383	2.5
Administration	203,808	6.9
Other		
Emergency Spills	11,092	0.5
TOTAL	1,169,406	77.5
STATE	314,216	
FEDERAL	855,190 *	

\* This figure includes an estimated \$150,000 carryover of FY 1974 funds

NPDES PERMIT MASTER CONTROL LIST FOR MISSOURI

ALREADY PROCESSED

<u>Name</u>	<u>Permit Number</u>
Adrian	0023612
Albany	0021466
Aurora	0036757
Bethany	0033502
Billings	0042480
Bismarck	0022942
Blue Springs (Sni-A Bar)	0028886
Blue Springs (Wood Chpl)	0028878
Boonville	0040738
Bowling Green	0023141
Braymer	0028061
Brookfield East	0028746
Brookfield South	0028738
Butler	0043192
California (N)	0023281
California (S)	0023272
Campbell	0022861
Cape Girardeau	0043591
Carrollton	0039616
Carthage	0039136
Cassville	0042579
Centralia	0028789
Chaffee	0025305
Chillicothe	0022977
Clarksville	0039632
Clinton	0042463
Clinton	0042471
Concordia E	0025194
Concordia N	0025208
Corder N	0022926
Corder S	0022934
Cuba NE #1	0031003
Cuba NW #2	0031011
Curryville	0040801

Already Processed (Cont.)

<u>WE</u>	<u>PERMIT NUMBER</u>
Dearborn	0033251
DeSoto	0026662
Dexter	0043206
Dexter	0023213
Doniphan	0047360
Drexel N	0023655
Drexel S	0023663
East Prairie	0021750
Eldorado Springs	0040002
Ellington	0022896
Emma	0028584
Emma	0028592
Esther	0031682
Excelsior Springs	0028843
Fairplay	0043931
Fairplay	0031305
Flat River	0028835
Gainesville	0027570
Gallatin	0027812
Gideon	0021423
Golden City	0031658
Goodman #1	0040771
Goodman #2	0040789
Goodman #3	0040797
Grant City E	0027596
Grant City W	0027600
Green City E	0032140
Green City W	0032131
Hamilton NE	0022080
Hamilton SE	0022071
Hamilton SW	0022063
Harrisonville	0028070
Wk Point	0028053
Herculaneum	0027111
Hermann	0021814
Hermitage	0031666

Already Processed (cont.)

<u>NAME</u>	<u>PERMIT NUMBER</u>
Higginsville I-70	0023094
Higginsville N	0023116
Higginsville S	0023108
Humansville	0025739
Huntsville NE	0040827
Huntsville NW	0040819
Illmo	0030783
Ironton	0026514
Jackson	0022853
Jasper	0044202
Jonesburg	0040851
Kansas City - Rocky Br.	0048305
Kansas City - Shoal Cr.	0024945
Kennett	0028568
Kingsville	0025844
Kirksville	0044482
Kirksville	0044474
Lathrop	0040169
Lebanon	0045829
Lebanon	0039705
Lee's Summit Maybrook	0035084
Lee's Summit Unity	0035017
Lee's Summit Major	0036226
Lee's Summit (Vale)	0036234
Lexington	0025216
Liberty	0036285
Lockwood	0030473
Lowry City	0026671
Macon	0023221
Macon	0040321
Maitland	0032174
Malden E	0022870
Malden (Ind. Pk.)	0022888
Marble Hill	0030775

Already Processed (cont.)

NAME	PERMIT NUMBER
Marble Hill	0041769
Marionville	0023159
Marshall	0032883
Marshfield	0040843
Marston	0036200
Martinsburg	0022349
Maryville	0033286
Mexico	0036242
Moberly N	0028797
Moberly S	0028801
Moberly W	0028819
Monett	0021440
Mountain Grove	0028711
Mountain Grove	0042111
.. Vernon	0022381
Neosho	0039934
Nevada N	0027626
Nevada S	0027618
Newburg	0021784
New Florence E	0025780
New Florence N	0025798
New Florence W	0025771
New Haven	0023230
New London	0044962
New Madrid	0022845
Nixa	0028037
Norborne	0030791
Oak Grove NW	0040886
Oak Grove SW	0040878
Odessa E	0026387
Odessa NW	0026379
Odessa W	0026395
O'Fallon	0028720
Oran	0043532

Already Processed (cont.)

<u>NAME</u>	<u>PERMIT NUMBER</u>
Orrick	0022918
Paris	0042021
Parma	003990
Perryville	0044971
Piedmont	0047341
Platte City	0026298
Plattsburg	0030805
Poplar Bluff	0043648
Poplar Bluff	0043656
Poplar Bluff	0043630
Portageville E	0025267
Portageville W	0025275
Potosi	0022951
Prairie Home	0022837
Princeton	0028754
Princeton	0028762
ady	0043222
Purdy	0043214
Ravenwood	0021458
Raytown	0036251
Republic	0022098
Richland	0023299
St. James L	0023647
St. James S	0023639
St. Joseph (Farron)	0023060
St. Joseph (Gene Field)	0023086
St. Joseph (Rosecoons)	0023051
St. Peters DC	0030961
St. Peters Mun.	0034215
St. Peters (Spencer Ck.)	0030970
Salem	0021768
Salisbury	0025321
Sarcoxie	0028657
Savannah E	0026352
Savannah S	0026344
Savannah (Trickling)	0026336

Already Processed (cont.)

<u>NAME</u>	<u>PERMIT NUMBER</u>
Sedalia N	0023027
Sedalia S	0023001
Sedalia SW	0022993
Sedalia W	0023019
Seymour	0022985
Sheldon	0040177
Sikeston	0035009
Slater	0040126
Smithton	0025828
Southwest City	0036765
Stanberry	0043231
Steelville	0021431
Stover Plant #1	0047040
Stover Plant #2	0047058
Shayer	0023132
Tipton #1 NE	0034274
Tipton #2 S	0031372
Trenton #1	0039756
Trenton #2	0039748
Troy	0021415
Union	0025283
Union	0025291
Urich	0039764
Vandalia	0026361
Versailles	0042455
Versailles	0042447
Versailles	0042421
Versailles	0042439
Warrensburg E	0040754
Warrensburg W	0040762
Warrenton #1	0023183
Warrenton #2	0035386
Weaubleau	0040860
Webb City N.E.	0040193

Already Processed (cont.)

<u>NAME</u>	<u>PERMIT NUMBER</u>
Webb City NW	0040185
Wellington	0041165
Wellsville	0041050
Wentzville E	0025755
Wentzville N	0025747
Wentzville S	0025763
West Plaines	0021849
West Plaines	0043141
West Plaines	0043133
Wheaton	0041041
Willow Springs	0021831
Windsor	0047309
Windsor	0047325
Wright City	0023191



REMAINING TO PROCESS

<u>Name</u>	<u>Permit Number</u>
Advance	0028223
Advance	0028226
Alexandria	----
Alma	0048097
Alton	----
Anderson	0025801
Annapolis	0023621
Anniston	----
Appleton City	0021105
Arbyrd	----
Arcadia	----
Archie	----
Armstrong	----
Ash Grove	0023205
Ashland East	----
Ashland North	----
Ashland South	----
Ashland West	----
Auxvasse	----
Ava South	----
Ava West	----
Baring South	----
Baring North	----
Barnard	0041190
Barnhart	----
Bell City	----
Belle	----
Bellflower	----
Belton	----
Belton	----
Benton	----
Bernie	----
Bertrand	----
Bavler	----
Birch Tree	----

Remaining to Process

AME

PERMIT NUMBER

Bismarck	---
Bland	---
Bloomfield	---
Bloomsdale	---
Blue Springs	---
Blue Springs	---
Bolivar	0022373
Bonne Terre	---
Bonne Terre	---
Bourbon	---
Braggadocio	---
Branson	0025241
Brashear	---
Breckenridge	---
Browning	---
Brunswick	---
Bucklin	---
Buckner	---
Buffalo	0021857
Buffalo	0022322
Bunceton	---
Bunker	---
Burlington Jctn.	0048194
Cabool	0026301
Cainsville	---
Callao	---
Camdenton	---
Camdenton	---
Camdenton	---
Camdenton	---
Camdenton	---
Cameron	0048186
Canton	---
Cardwell	---
Carl Junction	0025186

Remaining to Process

<u>ME</u>	<u>PERMIT NUMBER</u>
Carl Junction	0028789
Carrollton	0048160
Carterville	---
Caruthersville	---
Cedar City	---
Center	0042030
Centralia	0025305
Chamois	0039624
Charleston	0011776
Chilhowee	---
Clarence	0041076
Clark	---
Clarksdale	---
Clarkton	---
Claycomo	---
Cleveland	---
Clever	---
Cole Camp	0026328
Columbia	0036391
Columbia	0046060
Columbia	---
Columbia	---
Columbia	---
Conway	0031674
Cooter	---
Crane	0040835
Crocker	0025224
Crystal City	---
Deepwater	---
Delta	---
Desloge	0022900
Diamond	---
Dixon	---
Doniphan	---
Doolittle	---
Dorena	---

Remaining to Process

NAME

PERMIT NUMBER

Bismarck	---
Bland	---
Bloomfield	---
Bloomsdale	---
Blue Springs	---
Blue Springs	---
Bolivar	0022373
Bonne Terre	---
Bonne Terre	---
Bourbon	---
Braggadocio	---
Branson	0025241
Brashear	---
Breckenridge	---
Browning	---
Brunswick	---
Bucklin	---
Buckner	---
Buffalo	0021857
Buffalo	0022322
Bunceton	---
Bunker	---
Burlington Jctn.	0048194
Cabool	0026301
Cainsville	---
Callao	---
Camdenton	---
Camdenton	---
Camdenton	---
Camdenton	---
Camdenton	---
Cameron	0048186
Canton	---
Cardwell	---
Carl Junction	0025186

Remaining to Process

<u>NAME</u>	<u>PERMIT NUMBER</u>
Duenweg	----
Duquesne	----
Eaglesville	----
East Lynne	----
Edgerton	----
Edina	0047007
Edina	----
Eldon	----
Eldon	----
Eldon	----
Eldon	----
Eldon	----
Ellisville	0039641
Ellisville	0040339
Ellsinore	----
Elmo	----
Elsberry	----
Elvins (Claim no discharge)	----
Eminence	----
Essex	----
Eureka	0039659
Exeter	----
Fairfax	----
Fairview	----
Farber	----
Farmington	0040312
Farmington	0028860
Fayette	----
Fenton	----
Festus (Crystal City)	----
Fisk	----
Fornfelt	----
Forsyth	----
Frankford	0040134 (No discharge as of 3/4/74)

Remaining to Process

<u>NAME</u>	<u>PERMIT NUMBER</u>
Fredericktown	
Freeburg	0028690
Freeman	---
Fulton	---
Fulton	0047716
Fulton	0046710
Fulton	0047732
Fulton	0047724
Galena	0047708
Garden City	---
Gerald E	---
Gerald N	0045390
Gladstone	0045420
Glasgow	---
Gower	0034240
Granby	0040011
Grand Glaize	---
Grandin	---
Grandview	---
Greenfield	0044466
Greenfield	---
Greenfield	---
Green Ridge	---
Green Top	---
Greenwood	---
Hallsville	---
Hallsville	---
Hallsville	---
Hannibal	---
Hardin	0044897
Hartville	0046655
Hayti	---
Hayti	---
enrietta	---

Remaining to Process

<u>NAME</u>	<u>PERMIT NUMBER</u>
Higbee	---
High Hill	---
Hillsboro	---
Holcomb	---
Holden	0022331
Holland	---
Hollister	---
Holt	---
Hopkins	---
Hornersville	---
Houston	---
Houston	0039675
Houstonia	0040541
Hughesville	---
Hunnewell	---
Iberia	---
Independence	---
Independence	---
Independence	---
Independence	---
Independence	---
Independence	---
Independence	---
Independence	---
Jamesport	---
Jamestown	---
Jefferson City	---
Joplin SC	0025836
Joplin TC	0023256
Kahoka	0023264
Kansas City Dist #1	---
KC - Blue River	---
KC - Blue River	0024911
KC - Blue River	---
	---

Remaining to Process

<u>NAME</u>	<u>PERMIT NUMBER</u>
KC - Birmingham	----
KC - Brynwood Downs	0024996
KC - County Fair	0025046
KC - First Creek STP	----
KC - Fishing River	0048313
KC - Gracemore	0024970
KC-KCI Ind. Park	0025003
KC - Little Blue So.	0024937
KC - Northland MH	0025011
KC - Park Plaza	0025054
KC - Platte City Ind.	0025038
KC - Platte City TP	0024953
KC - Second Creek	----
KC - Tiffany	0024988
KC - Todd Creek	0024961
KC - Westside	0024929
KC - Woodridge	
Kearney	0028851
Kelso	----
Keytesville	----
King City	----
Knob Noster	----
LaBelle	----
Laclede	----
Laddonia	----
LaGrange	0041203
Lake Lotawana	----
Lake Ozark	----
Lake of the Ozarks	----
Lake Tapawingo	----
Lake Waukomis	----
Lake Winnebago	----
Lamar	0044172
Lamar	----



Remaining to Process

NAME

PERMIT NUMBER

LaMonte	---
LaMonte	---
Lancaster	---
Lawson	---
Leadwood	---
Leeton	---
Leeton	---
Leeton	---
Lewistown	---
Lexington	---
Liberal	0045837
Liberty	004539
Liberty	0036293
Licking	0040118
Licking	---
Lilbourne	---
Lincoln (W. lagoon)	0044181
Lincoln	---
Linn	0042510
Linn	---
Linn	---
Linn	---
Linn Creek	---
Linneus	---
Little Blue River	---
Louisiana	0023124
Lutesville	---
Madison E	0048364
Madison W	0048372
Malta Bend	---
Manchester	---
Mansfield	---
Marceline	0039721

<u>NAME</u>	<u>PERMIT NUMBER</u>
Marquand	----
Marshall	0020923
Marshall	0038211
Marshall	0038229
Marthasville	0044113
Maryville	0038172
Maysville	0041106
Mayview	----
Meadville	----
Memphis	0041173
Mendon	----
Mercer	----
Mexico	----
Mexico	----
Milan	0048151
Middletown	----
Miller	----
Miller	----
Moberly E	0028827
Moberly	----
Monroe City	----
Montgomery City	0022829
Montrose	----
Morehouse	0030821
Morley	----
Mound City	0043583
Mtn. View	0026310
Naylor	----
Neosho	0039926
New Bloomfield	0028045
New Franklin	----
Niangua	----
Noel	----
North Kansas City	----
Northmoor	----
Novinger	----

NAMEPERMIT NUMBER

O'Fallon	---
O'Fallon	---
O'Fallon	---
Oregon	---
Oronogo	---
Osage Beach	---
Osceola	---
Otterville	---
Owensville	---
Ozark	0041068
Palmyra	---
Parkville	0041220
Pattonsburg	---
Penermon	---
Perry	---
Peculiar	---
Perryville	---
Pevely	---
Pierce City	0040142
Pilot Grove	---
Pilot Grove	---
Pilot Knob	---
Pineville	---
Pleasant Hill	---
Pleasant Valley	---
Polo	---
Pomme De Terre R	0041238
Portage Des Sioux	---
Puxico	0048356
Queen City	---
Qulin	---
Raymore	---
Raytown	---
Republic	---
Rich Hill (No discharge letter 1/16/74)	---

Remaining to Process

<u>NAME</u>	<u>PERMIT NUMBER</u>
Richmond	0021822
Ridgeway	---
Risco	0025852
Rivermines	0025232
Rock Hill Village MSD	---
Rockport	---
Rogersville	---
Rolla	0047023
Rolla	0047031
Rolla	---
Rosebud	---
Rosendale	---
Russellville (Claim no permit required)	---
St. Charles	---
St. Charles	---
St. Clair	0041211
St. Clair	---
St. Clair	---
St. Clair	---
St. Clair	---
St. Clair	---
St. Genevieve	---
St. James	---
St. Joseph (Indus)	0023078
St. Joseph WPC	0023043
St. Joseph (South Street)	---
St. Joseph (Deer Park E)	0038784
St. Louis CSD	---
St. Louis MSD	---
. Bissell Point	0025178
Bonfils	0024062
Coldwater	0025160
Earth City	0020877
Greek Pl	---
Kirkwood	---
Lemay Pl	0025151

Remaining to Process

NAME

PERMIT NUMBER

St. Louis MSD (cont.)

Parkwood	0025071
St. Bernard Hills	0025127
St. Bernard	0025135
St. James	0025089
Sugar Creek	0025143
The St. Louis	0025119
Timberlake	0025101
Windsor	0025097
St. Marys	---
St. Robert	---
Salisbury	---
Santa Fe Hills	---
Savannah	---
Scott City	0041092
Seligman	0028771
Selma	---
Selma	---
Senath	---
Seneca	---
Shelbina	0023035
Shelbyville	0041092
Sheridan	---
Shrewsbury	---
Skidmore	---
Smithville	0022969
Sparta	---
Springfield	---
Springfield	---
Springfield	---
Steele	---
Stella	---
Stewartsville	---
Stockton	---

Remaining to Process

<u>NAME</u>	<u>PERMIT NUMBER</u>
Strafford	----
Sturgeon	0042498
Sturgeon SE	----
Sturgeon SW	----
Sugar Creek	0026271
Sullivan Plt #1	----
Sullivan	----
Sullivan Plt #3	----
Summersville	----
Sweet Springs	----
Table Rock Lake & Lake Taneycomo	----
Tarkio	----
Tarsney	----
Times Beach	----
Tina	0030953
Triplett	0038032
Union Star	----
Unity	----
Unionville	0026646
Valley Park	----
Van Buren	----
Vandiver Village	----
Verona	----
Vienna	----
Walker	----
Walnut Grove	----
Wardell	----
Warrenton	0023175
Warsaw	----
Washington	0021792
Washington	0021806
Washington	0025810
Waverly	0025259
Wayland	----

Remaining to Process

NAME

PERMIT NUMBER

Waynesville	---
Weatherby Lake	---
Webb City #3	---
Wellsville	---
Wentzville	---
Wentzville	---
Weston	---
Wheatland	0031585
Willard	---
Williamsville	---
Winchester	---
Windsor	---
Windsor	0047317
Windsor	---
Winfield	---
Winona	---
Wyaconda	---
Wyatt	0041122

MAJOR SIGNIFICANT INDUSTRIAL DISCHARGERS - MISSOURI

<u>RANK</u>	<u>SEGMENT CODE</u>	<u>DISCHARGER</u>
1.	1005-I	Amax Lead Company
2.	0712-F	American Cyanamid Company, Hannibal (101)
3.	0712-F	American Cyanamid Company, Hannibal (66)
4.	0912-P	American Oil Company, Sugar Creek
5.	1006-B	American Smelting & Refining, Glover
6.	0712-G	Ardco Finishing, Wellsville
7.	0912-B	Armco Steel Corporation, Kansas City
8.	0912-S	C. E. Refractories Pl Clay, St. Louis
9.	0912-B	Chemagro, Inc., Kansas City
10.	0912-P	Cook Paint & Varnish Company, Kansas City
11.	0912-P	Corn Products, International, Inc., North Kansas City
12.	1004-A	Eagle Picher Industries, Joplin
13.	0912-P	Ford Motor Company, Kansas City
14.	0914-F	Ft. Scott Fertilizer, Eldorado Springs
15.	1004-E	Grace, W. R., Joplin
16.	0718-C	Great Lakes Carbon, St. Louis
17.	1006-D	Green Refractories, Oran
18.	1006-B	Hanna Mining Company, Ironton
19.	0712-F	Hercules, Inc., Louisiana
20.	1004-E	Hercules, Inc., Carthage



21.	1004-F	Herrod Packing Company, Joplin
22.	1005-A	Hoffman Taff, Springfield
23.	1004-E	ICI America, Inc., Atlas Chemical, Webb City
24.	0912-P	Kansas City Power & Light Company, Kansas City
25.	0912-C	Lake City Army Ammunition Plant, Independence
26.	0719-F	Meramec Mining, Sullivan
27.	0722-I	Mississippi Lime, Ste. Genevieve
28.	0912-F	Missouri Beef Packers, Inc., Rock Port
29.	0718-C	Monsanto Company, St. Louis
30.	0912-K	National By-Products, Boonville
31.	1004-G	Noel Water Company, Noel
32.	0912-L	Olin Conductors, Sedalia
33.	1005-I	Ozark Lead, Sweetwater
34.	0719-F	Penn Glass Sand Corporation, Pacific
35.	0912-L	Pittsburgh Corning, Sedalia
36.	0722-I	PPG Ind. Plant 9, Crystal City
37.	1005-I	St. Joe Minerals, Br. Creek, Bonne Terre
38.	0719-A	St. Joe Minerals, Federal Division, Bonne Terre
39.	1005-I	St. Joe Minerals, Fletcher Division
40.	0722-I	St. Joe Minerals, Herculanum
41.	0719-F	St. Joe Minerals, Indian Creek
42.	0719-E	St. Joe Minerals, Viburnum

- 43. 0719-B St. Louis Water Company, Sunset Hills
- 44. 0718-C Titanium Pigment N. L., St. Louis

# MAJOR SIGNIFICANT MUNICIPAL DISCHARGERS - MISSOURI

<u>RANK</u>	<u>SEGMENT CODE</u>	<u>DISCHARGER</u>
1.	913-B	Bethany
2.	912-R	Blue Springs (Sni-A-Bar)
3.	912-R	Boonville
4.	912-O and 912-R	California
5.	1006-D	Campbell
6.	722-J	Cape Girardeau
7.	912-R	Carrollton
8.	1004-D	Carthage
9.	1006-D	Chaffee
10.	913-D	Chillicothe
11.	914-F	El Dorado Springs
12.	912-Q	Excelsior Springs
13.	719-A	Flat River
14.	912-T	Hermann
15.	712-D	Kirksville
16.	914-I	Lebanon
17.	912-C	Lee's Summit (Vale)
18.	912-C	Lee's Summit (Little Cedar Ck.)
19.	912-P	Liberty

<u>RANK</u>	<u>SEGMENT CODE</u>	<u>DISCHAR</u>
20.	913-H	Macon
21.	1006-D	Malden
22.	914-J	Marshfield
23.	913-A & 712-D	Moberly
24.	1004-F	Monett
25.	1004-D	Mt. Vernon
26.	1004-F	Neosho
27.	712-H	O'Fallon
28.	722-I	Perryville
29.	1005-K	Poplar Bluff
30.	912-C	Raytown
31.	719-E	St. James
32.	912-H	St. Joseph
33.	912-L	Sedalia
34.	1006-E	Sikeston
35.	1004-G	Southwest City
36.	913-C	Trenton
37.	912-K	Warrensburg
38.	912-T and 712-H	Warrenton
39.	1004-G	Anderson
40.	719-D	Belle
41.	914-D	Belton

<u>RANK</u>	<u>SEGMENT CODE</u>	<u>DISCHARGER</u>
42.	1005-D	Branson
43.	914-C	Cabool
44.	913-D	Cameron
45.	912-R	Carrollton
46.	1006-E	Charleston
47.	912-D	Columbia Pl. #1
48.	912-D	Columbia Pl. #2
49.	919-A	Desloge
50.	719-E	Ellisville
51.	722-I	Festus-Crystal City
52.	1006-A	Fredericktown
53.	912-T	Fulton
54.	912-R	Grandview
55.	712-F	Hannibal
56.	914-C	Houston
57.	912-C	Independence, Sugar Ck.
58.	912-C	Independence, Adair Lagoon
59.	912-C	Independence, Spring Branch
60.	912-S	Jefferson City
61.	1004-A	Joplin (Shoal Ck.)
62.	1004-A	Joplin (Turkey Ck.)

<u>RANK</u>	<u>SEGMENT CODE</u>	<u>DISCHARGER</u>
63.	912-B	Kansas City, Big Blue River
64.	912-P	Kansas City, West Side
65.	912-C	Kansas City, S. Little Blue
66.	912-J	Kansas City, Todd Ck.
67.	912-P	Liberty
68.	914-C	Licking
69.	712-F	Louisiana
70.	719-B	Manchester
71.	912-K	Marshall
72.	718-C	MSD St. Louis, Bissell Point
73.	718-C	MSD St. Louis, Lemay
74.	912-E	MSD St. Louis, Coldwater Ck.
75.	719-B	MSD St. Louis, Sugar Ck.
76.	912-V	MSD St. Louis, Bonfils
77.	712-D	Mexico
78.	913-D.	Milan
79.	913-A and 712-D	Moberly
80.	712-C	Monroe City
81.	1004-F	Neosho
82.	912-P	N. Kansas City

<u>RANK</u>	<u>SEGMENT CODE</u>	<u>DISCHARGER</u>
83.	712-H	O'Fallon
84.	722-I	Perryville
85.	912-C	Raytown
86.	914-M and 719-E	Rolla
87.	912-U	St. Charles, Missouri River
88.	712-H	St. Charles, Mississippi River
89.	719-D and 719-F	St. Clair
90.	719-D	St. James
91.	912-A	St. Joseph
92.	912-L	Sedalia
93.	912-J	Smithville
94.	1005-A	Springfield, Southwest
95.	914-B	Springfield, Northwest
96.	914-I	Warsaw
97.	912-T	Warrenton
98.	912-T,	Washington

# SIGNIFICANT MISSOURI LAKES & RESERVOIRS - OVER 100 ACRES

NAME

SURFACE AREA - ACRES

OWNER OR OPERATOR

Clearwater	1,700	Corps of Engineers
Lake Paho	200	
Lake Thunderhead	300	Putman County
Moberly	250	Randolph County
Mud Lake	150	
Norfolk	1,200	Corps of Engineers
Pomme de Terre	8,000	Corps of Engineers
Silver Lake	800	
Stockton	25,000	Corps of Engineers
Swan Lake	600	
Table Rock	42,000	Corps of Engineers
Wappepello	5,700	Corps of Engineers
TOTAL	<hr/> 85,900	



MISSOURI CLEAN WATER COMMISSION

✓ 10,500

May 29, 1974

Mr. Charles M. Hajinian  
Chief, Program Planning & Analysis  
Environmental Protection Agency  
1735 Baltimore Avenue  
Kansas City, Missouri 64108

Dear Mr. Hajinian:

Thank you for your letter of May 10th, concerning information on lakes in the state of Missouri. We have no information for questions 3. & 4. on the inventory you supplied to us; and therefore, the answer to question 5. is - that the number of significant lakes with eutrophy unknown is 12, and the area of significant lakes, eutrophy unknown, is 35,900 acres.

Truly yours,

Edward S. Lightfoot, P.E.  
Chief Engineer  
Missouri Clean Water Commission

ESL/bc

Inter-Office Communication

ATTORNEY GENERAL OF MISSOURI  
Supreme Court Building  
Jefferson City, Missouri 65101  
314 - 751-3321

TO: ED LIGHTFOOT - Missouri Clean Water Commission  
FROM: ROBERT M. LINDHOLM, Assistant Attorney General  
DATE: MAY 29, 1974  
RE: FISCAL YEAR 75 PROGRAM


Ed, here are the answers to Item 4 on the list of questions you sent me concerning Fiscal Year 75 Program.

Statement 4a asked for a statement describing enforcement procedures, first who had the authority and secondly a statement from the Attorney General's Office indicating whether adequate resources existed within the Attorney General's Office to implement its authority or whether a transfer of funds would be necessary.

With regard to the first of these items, the Clean Water Commission does have administrative remedy of an abatement order available to it and, of course, the authority to establish permit conditions and other orders concerning the abatement of pollution. However, when it comes to enforcing these via injunctions or monetary penalties, this facet of enforcement authority must be done by the Office of the Attorney General or County Prosecuting Attorneys.

With regard to the second part of the question concerning adequacy of resources, we are both aware of the fact that at this time there is a backlog of legal work which needs attention. The use of more funds is, of course, always desirable and would aid the Office of the Attorney General in forwarding the enforcement portion of the Clean Water Commission's Program. The Attorney General's Office is currently adjusting its procedures and resources to attempt to meet the new and as yet largely unknown requirements of the reorganization act. The results of this shift in resources will not be known for sometime, however. Therefore, it might appear to be premature to transfer funds from another part of the Clean Water Program if this would be robbing Peter to pay Paul.

Please let me know if you need more information on this. Thanks very much.

  
ROBERT M. LINDHOLM

LP-1

MISSOURI CLEAN WATER COMMISSION  
1014 Madison, P.O. Box 154  
Jefferson City, Missouri 65101  
June 24, 1974

FISCAL YEAR 1975 FUNDING PRIORITIES \*

Total Federal FY 1975 Allocation **	\$74,546,400
Funds Used for FY 1974 Projects	<u>9,793,865</u>
Total	\$64,752,535

FY 1975 Funds Remaining for Use in FY 1975	\$64,752,535
Federal Monies to be Withheld for Cost Increases	<u>13,944,578</u>
Total	\$48,807,957

Funds for New FY 1975 Clean Water Commission Priorities	\$48,807,957
Reserved for Additional Step I and Step II Grant Awards	<u>300,000</u>
During FY 1975 (optional)	
Total	\$48,507,957

PROJECT NUMBER	APPLICANT	PROJECT SCOPE	STEP	TOTAL PROJECT COST	FEDERAL ASSISTANCE FOR FY 75	PLANNING CODE	SEGMENT*** RANK	PRIORITY POINTS
C290578-01	Neosho Water & Wastewater Technical School	Activated Sludge Plant for Training Purposes	2-3	\$ 323,000	\$ 150,000	1004 F		
C290730-01	Rivermines	201 Facility Plan	1	7,500	5,625	0719-A	14	68
C290659-01	Bucklin	Complete new system	2-3	416,325	307,444	0913-E		
						0913-D	44	59
C290635-02	Springfield	Additions to S.W. Plant, Trunk Sewers, Lift Stations	3	17,023,000	9,607,500	1005-A	1	57
C290677-01	Thayer	Expansion & Improvement of Treatment Plant & Int. Sewers	2-3	276,000	207,000	1005-F	35	57
C290740-01	Novinger	201 Facility Plan	1	13,000	10,640	0913-E	55	57
C290731-01	Exeter	New Treatment Facility & Int. Sews.	2-3	353,000	263,250	1005-C	18	55
						1004-F		
C290725-01	Kansas City	201 Facility Plan for E. Blue River Interceptor	1	120,000	90,000	0912-E	6	54
C290704-01	Greentop	New Treat. Facility & Int.	2-3	360,000	140,250	0712-D	34	54
						0913-E		

PROJECT NUMBER	APPLICANT	PROJECT SCOPE	STEP	TOTAL PROJECT COST	FEDERAL ASSISTANCE FY FY 75	PLANNING SEGMENT*** CODE RANK	PRIORITY POINTS
C290692-01	Lee's Summit	Middle Big Creek Lagoon & Int.	2-3	\$3,881,000	\$2,887,500	0914-A 39	54
C290715-01	Rich Hill	Complete System	2-3	1,596,669	1,189,627	0914-E 24	53
C290743-01	West Plains	201 Facility Plan	1	9,450	7,087	1005-F 35	53
C290727-01	Centralia	201 Facility Plan	1	10,365	7,774	0712-D 13	52
C290728-01	Leadwood	201 Facility Plan	1	12,000	9,000	0719-A 41	52
C290721-01	Atlanta	201 Facility Plan	1	8,593	6,446	0719-C 44	52
C290699-01	Smithton	201 Facility Plan	1	34,300	25,725	0913-H 32	51
C290670-01	Jamesport	New Treatment Facility & Int.	2-3	353,963	96,934	0912-L 33	51
C290722-01	Polo	201 Facility Plan	1	10,000	7,500	0913-D 33	51
C290720-01	Frankford	201 Facility Plan	1	8,631	6,475	0912-F 37	51
C290676-01	Independence	Crackernack Watershed Interceptors	2-3	163,600	118,200	0912-G 4	50
C290660-01	St. Peters	Dardeane Crk. & Spencar Creek Treatment Facilities & Interceptors	2-3	1,061,000	788,250	0712-H 7	50
C290680-01	Platte City	Expansion & Improvement of treat- ment Facilities, Lift Station, Int.	2-3	653,500	482,625	0912-A 23	50
C290713-01	Malta Bend	201 Facility Plan	1	10,000	7,500	0912-K 29	50
C290674-01	Warrenton	New Centralized Treatment Facility	2-3	1,397,224	1,028,418	0712-G 45	50
C290688-01	Parkville	Expansion & Improvement of Treat- ment plant	2-3	616,000	462,000	0912-T 15	49
C290671-01	Reeds Spring	201 Facility Plan	1	10,664	8,000	0912-J 16	49
C290628-02	Met. St. Louis Sever Dist.	Nonfile Secondary Treat. Plant & Interceptors	2-3	19,600,000	7,358,700	1005-D 19	49
C290703-01	Hannibal	New Secondary Treatment Facility	2-3	5,249,800	3,822,835	0912-V 37	49
C290658-01	Cuba	Expansion of Treatment Facility & Lift Station	2-3	182,040	100,120	0712-F 41	49
C290661-01	Essex	New Treatment Facility & Int.	2-3	283,000	88,290	0719-D 44	49

PROJECT NUMBER	APPLICANT	PROJECT SCOPE	STEP	TOTAL PROJECT COST	FEDERAL ASSISTANCE FY FY 75	PLANNING SEGMENT CODE	RANK	PRIORITY POINTS
C290637-02	Springfield	Wilson Creek Trunk	3	\$1,920,000	\$1,350,000	1005-A	1	48
C290630-02	Lit. Blue Valley Sewer Dist.	Interceptors	2-3	18,837,000	6,601,875	0912-C	4	48
C290719-01	New London	New Secondary Treatment Facility	2-3	185,600	131,625	0712-F	37	48
C290705-01	Warsaw	Collector Sewers	2-3	510,000	382,500	0914-I	5	47
C290714-01	Verona	Complete System	2-3	414,560	302,595	1004-D	22	47
C290744-01	Pineville	201 Facility Plan	1	5,800	4,350	1004-G	25	47
C290663-01	Montrose	Complete System	2-3	392,150	292,337	0914-F	30	47
C290697-01	Wesubieu	Treat. Facility Improvements	2-3	133,427	129,076	0914-F	30	47
C290689-01	St. Robert	Complete System	2-3	1,463,764	1,052,823	0914-B	42	47
C290717-01	Kansas City	Shoal Creek Interceptor	2-3	11,200,000	3,555,000	0912-F	11	46
C290716-01	Kansas City	Weatherby Lake Interceptor	2-3	750,000	562,500	0912-J	15	46
C290675-01	Desoto	Westland Int. & Suburbia Int.	2-3	111,400	82,600	0722-I	18	46
C290710-01	Leasburg	201 Facility Plan	1	21,587	17,695	0719-D	30	46
C290706-01	Chilhowee	201 Facility Plan	1	10,000	7,500	0719-E		
						0912-K		
						0914-A	34	46
C290701-01	St. James	Complete System	2-3	1,571,380	1,169,535	0719-D	41	46
C290711-01	Bourbon	Improvements & Expansion of Treat. Facility, Int. & Lift Station	2-3	647,815	267,731	0719-D	41	46
C290694-01	Hayti Heights	201 Facility Plan	1	5,736	4,303	1006-D	44	46
C290698-01	Hayti	Expansion & Improve. Treat. Fac., Lift Station & Interceptor	2-3	176,936	37,760	1006-D	44	46
C290724-01	Bernie	Treat. Facility Improvements	2-3	258,000	171,000	1006-D	44	46
C290682-01	Marshfield	New Treat. Facility, Lift Sta., Int. & Collector lines	2-3	1,225,000	917,250	0914-J	43	46
C290712-01	Ash Grove	New Treat. Plant, Lift Sta., Int. & Collector lines	2-3	695,685	508,714	0914-G	49	46
C290683-01	Tipton	New Treat. Facility, Lift Sta. & Int.	2-3	358,000	262,500	0912-D	60	46
						0912-E		
C290700-01	Licking	Interceptor Sewer	2-3	465,000	348,000	0914-C	3	45

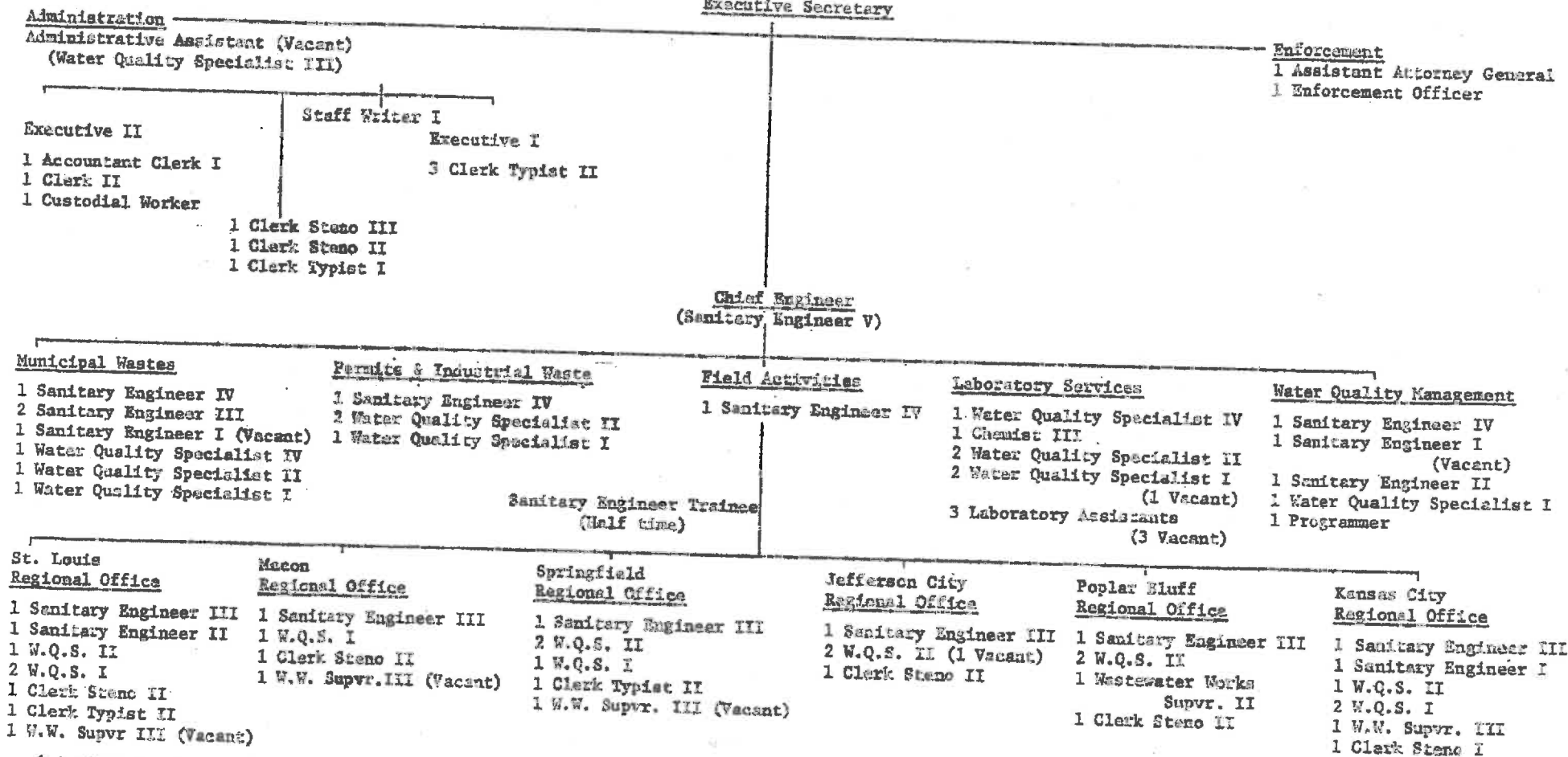
PROJECT NUMBER	APPLICANT	PROJECT SCORS	STEP	TOTAL PROJECT COST	FEDERAL ASSISTANCE FY FY 75	PLANNING CODE	SEGMENT*** RANK	PRIORITY POINTS
C290685-01	Smithville	Water Treat. Plant & Wastewater Treatment Facility	2-3	\$ 46,220	\$ 34,665	6912-J	40	45
C290708-01	Fisk	201 Facility Plan	1	13,340	10,000	1005-K	66	45
C290693-01	Met. St. Louis Sewer Dist.	Saxon Manor Interceptor	2-3	70,000	52,500	0718-C	28	44
C290684-01	Alba	Complete system	2-3	287,830	212,123	1004-C	39	44
						1004-D		
C290709-01	Washington	Improvements of Treatment Facility & Interceptor Sewer	2-3	2,135,900	461,925	0912-T	40	44
C290738-01	Parkville	201 Facility Plan	1	30,000	22,500	0912-J	15	43

" A list of Clean Water Commission FY 74 unfunded priorities is attached.  
These projects will retain their priority until funded.

\*\* \$263,840 of Missouri's federal FY 75 allocation has not yet been designated  
for a specific use by the Commission.

\*\*\* As designated in the State of Missouri's "Continuing Planning Process" dated May 1973.

TABLE OF ORGANIZATION  
Fiscal Year 1975  
Department of Natural Resources \*  
Clean Water Commission  
Executive Secretary



\* Subject to change after Department of Natural Resources is organized.

# PUBLISHER'S AFFIDAVIT

STATE OF MISSOURI, )  
COUNTY OF COLE. ) ss.

..... Robert Blosser..... being duly sworn, according to law, says he is . President . of the News Tribune Company, Publisher of the . Post Tribune ..... a newspaper printed and published in the County of Cole, and State aforesaid; that said newspaper has been published continuously for more than three years; and that the notice hereto attached was published in said paper in compliance with the provisions of Section 493.050.

R.S. of Mo. for 1949 for . 3 times ..... as follows:  
1st insertion, No. ...., . 20th day of . May ..... , 19. 74..  
2nd insertion, No. ...., . 23rd day of . May ..... , 19. 74..  
3rd insertion, No. ...., . 28th day of . May ..... , 19. 74..  
4th insertion, No. ...., . day of ..... , 19. ....  
5th insertion, No. ...., . day of ..... , 19. ....  
Fee: \$10.26.....

Subscribed and sworn to before me this ..... 28th .....  
day of ..... May ..... , 19. 74..  
..... Margaret T. Hamilton.....  
Notary Public.

My term as Notary Public expires ..... 12/31/74.....

**NOTICE**  
The Missouri Clean Water Commission staff is now in the process of developing the state program plan for water pollution control in Missouri for fiscal year 1975.  
Anyone interested in reviewing and/or commenting on the plan is invited to do so. The first draft of the plan is available for review at the Clean Water Commission offices at 1014 Madison Street, Jefferson City, Missouri.  
The program plan will be an agenda item for approval at a Clean Water Commission meeting in June or July 1974.  
P.T. May 20-23-28, 1974

## SUMMARY OF PUBLIC PARTICIPATION

The affidavit, shown above, indicates that the Clean Water Commission paid for the notice in the insert on the affidavit. The notice was published in the Jefferson City Post-Tribune on May 20, 23 and 28, 1974.

The 1975 fiscal year program plan has been placed on the agenda for the Clean Water Commission meeting on June 12, 1974.

Public hearings have been held on the Construction Grant Criteria and the Project List on April 24 and May 22, 1974.



MISSOURI CLEAN WATER COMMISSION  
1014 Madison, P.O. Box 154  
Jefferson City, Missouri 65101  
June 27, 1974

CRITERIA FOR ESTABLISHING A CONSTRUCTION GRANT PRIORITY LISTING FY 1975

The priority listing of the Missouri Clean Water Commission will be established with the following list of criteria. The basic considerations are as outlined in the U.S. Environmental Protection Agency's "Water Strategy Paper". They are as follows:

1. Severity of pollution.
2. Population affected.
3. Preservation of high quality waters.
4. National priorities.

Municipalities without a present municipal discharge will be ranked in Sections 1 and 2 according to the ranking and classification of the major stream in the planning segment in which the municipality is located. If a municipality is located in two or more planning segments, the values for each segment will be averaged. Fractional points will be rounded to the nearest even number.

Ties will be broken by use of the stream segment ranking as given in the State of Missouri "Continuing Planning Process" prepared by the Missouri Clean Water Commission in 1973.

Only integral portions of a facility should be included in each application.

Only one item will be considered under each section.

1. Stream Segment Ranking (Present discharge) \*

a) 1-10 -	16
b) 11-20 -	14
c) 21-30 -	12
d) 31-40 -	10
e) 41-50 -	8
f) 51-60 -	6
g) 61-70 -	4
h) 71-84 -	2

(If the project affects the Ozark National Scenic Riverways, add 15 points)

2. Water Use Classification (Present discharge) \*\*

a) Class A	- 12
b) Losing Stream	- 12
c) Recreational Lake	- 11
d) Class B	- 6
e) Intermittent Stream	- 6

3. Present System

- |  |    |
|--|----|
| a) Municipal System with no treatment                            | 30 |
| b) Primary treatment only  | 20 |
| c) No municipal system   | 14 |
| d) Does not meet secondary treatment definitions 50% of the time | 14 |
| e) Meets secondary treatment definitions 50% of the time         | 3  |

4. Impact on Receiving Stream (P.E. / Stream Flow) \*\*\*

- |                     |    |
|---------------------|----|
| a) > 20,000         | 13 |
| b) 10,000 to 20,000 | 10 |
| c) 1,000 to 10,000  | 7  |
| d) 100 to 1,000     | 4  |
| e) < 100            | 1  |

5. Proposed System

- |                                       |    |
|---------------------------------------|----|
| a) Treatment only                     | 14 |
| b) Entire system excluding collection | 14 |
| c) Entire system                      | 8  |
| d) Interceptors                       | 8  |
| e) Collection and interceptors        | 4  |
| f) Collection only                    | 2  |

(if no point discharge of effluent is proposed for the treatment facilities, add 10 points)

( add 6 points under item d and 4 points under item e if treatment is to be provided on a regional basis by a municipality or sewer district other than the applicant)

Total points possible -

110

\* As ranked in the May 1973 State of Missouri "Continuing Planning Process" prepared by the Missouri Clean Water Commission. The Missouri and Mississippi Rivers will be given 2 points under this category.

\*\* As classified in "Water Quality Standards" prepared by the Missouri Clean Water Commission and dated 1973.

\*\*\* P.E. - Population Equivalent based on design BOD  
1 P.E. = .17 pounds BOD/day

Stream Flow - 7 day low flow of the major stream in the planning segment occurring at two year intervals as listed in the 1973 "Water Quality Standards". Values will be computed using the nearest downstream station.

Interceptor and collector sewers will receive 4 points in this category.

## MISSOURI CLEAN WATER COMMISSION

1014 Madison, P.O. Box 154  
Jefferson City, Missouri 65101

June 24, 1974

## FISCAL YEAR 1974 UNFUNDED PRIORITIES

These projects will retain their priority until funded.

PROJECT #	APPLICANT	STEP	PROJECT SCOPE	TOTAL PROJECT COST	FEDERAL ASSISTANCE FOR FY 1975
C290696-01	Caruthersville	2-3	Renovation of Collection & Treatment Facilities	\$2,191,605	\$1,522,038
C290635-01	Springfield	2	New Int. & S.W. Plant Modifications	1,340,000	1,005,000
C290638-01	Springfield	2	Airport Trunk Interceptor	233,000	175,000
C290546-02	Licking	2-3	Tertiary Treatment & Irrigation	424,000	226,250
C290636-01	Springfield	2	Little Sac Interceptor	713,000	535,000
C290637-01	Springfield	2	Wilson Creek Interceptor	160,000	120,000
C290594-01	Campbell	2-3	Secondary Treatment Plant Expansion	88,000	66,000
C290653-01	Richland	2-3	New Secondary Treatment	167,000	125,000
C290590-01	Columbia	2-3	New Secondary Treatment & Interceptor for new area	3,909,000	2,932,000
C290655-01	Warrensburg	2-3	Secondary Treatment Plant & Interceptor	4,583,000	3,437,000
C290524-02	Monett	3	Expansion of Secondary Treatment Facilities	1,700,000	1,274,000
C290650-01	Flat River	2-3	Expansion of Secondary Treatment Facilities	240,000	180,000
C290560-02	Wentzville	3	Centralization of Sec. Treatment Facilities	1,117,000	838,000
C290585-01	Osceola	2-3	New Secondary Facility	256,000	192,000
C290599-01	Carrollton	2-3	Secondary Treat. Plant	1,091,000	818,000
C290601-02	Southwest City	3	Expansion of Sec. Treat.	408,000	294,825
C290604-02	Pilot Grove	3	Secondary Treat. Fac.	118,077	84,060
C290639-02	Poplar Bluff	3	Expansion Int. System	683,983	464,250
C290556-02	Hillsboro	3	New Sec. Treat. Facility & Collector Sewers	920,000	637,316
C290645-02	Calhoun	3	New. Sec. Treat. Facility	356,500	331,250
C290609-02	Lower Big Riv. Sewer Dist.	3	New Treat. & New Interceptor & Collector Sewers	400,000	336,380
C290621-01	St. Joseph	2-3	New Interceptor	585,000	439,000

PROJECT #	APPLICANT	STEP	PROJECT SCOPE	TOTAL PROJECT COST	FEDERAL ASSIST FOR FY 1975
C290643-01	Greenwood	2-3	New. Sec. Treat. System	\$ 91,000	\$ 68,000
C290473-02	Weatherby Lake	3	New Sec. Sewer System	943,000	661,130
C290603-02	Nevada	3	Sec. Treat. Plant Improvements	2,856,000	2,517,750
C290612-01	Concordia	2-3	Interceptor	113,000	85,000
C290614-01	Ellisville	2-3	Sec. Sewer System Improvements	144,000	108,000
C290618-01	Lawson	2-3	New Interceptor	470,000	352,000
C290622-01	Platte Co. S. Dist. #3	2-3	New. Sec. Treat. & Int.	331,000	248,000
C290632-02	Glaize Creek Sewer Dist.	3	New Sec. Treat. & Int.	1,038,974	741,750
C290629-01	Independence	2-3	New Sec. Treat Fac.	9,273,000	1,903,000
C290647-01	Springfield	2-3	Water Treat. Plant Wastewater facilities	821,000	616,000
C290532-01	Fulton	2-3	New Interceptor	363,000	272,000
C290648-01	Bloomsdale	2-3	New Sec. Treat. Facility	989,000	742,000
C290593-02	Peculiar	3	New Sec. Treat. Facility	275,000	246,830
C290602-01	Montgomery City	2-3	Sec. Treat. Facility	565,000	424,000
C290633-02	New Bloomfield	3	New Sec. Treat. & Int.	176,000	124,912
C290654-01	Richland	2-3	Collection System	32,000	24,000
C290480-03	St. Joseph	3	Sec. Treat. Facilities	15,500,000	8,448,590
C290646-01	Wyatt	2-3	New. Sec. Treat. Fac. & Collection Sewers	93,000	70,000
C290586-01	Kansas City	2-3	Interceptors	2,000,000	1,500,000
C290587-01	Kansas City	2	Secondary Design	5,180,500	135,000
C290589-01	Kansas City	2	Secondary Design	35,260,000	945,000
C290597-01	Independence	2-3	Interceptors	4,903,000	3,677,000
C290628-01	Met.St.Louis Sewer Dist.	2	New Sec. Treat. & Interceptors	19,600,000	1,450,000
C290640-01	Met.St.Louis Sewer Dist.	2	Lemay Sec. Treat.	58,700,000	2,250,000
C290641-01	Met.St.Louis	2	Bissell Pt. Sec.	63,136,000	2,075,000
C290652-02	Cape Girardeau	3	Secondary Treatment	4,719,000	3,928,500
C290611-01	Kingsville	2-3	Interceptor & Treatment Plant	80,000	60,000
C290634-01	Charleston	2-3	Sec. Treat. Expansion	283,000	212,000
C290613-01	Rock Port	2-3	Water Treat.Plant Waste-	15,000	11,000
C290615-01	Met.St.Louis Sewer Dist.	2-3	water Facilities Collection System	400,000	300,000

201 FACILITY PLAN

AREAS FOR REGIONALIZATION

1. Joplin Area - Joplin, Duquesne, Duenweg, Silver Creek, Saginaw, Leawood, Irongates, Oakland Park, Webb City, Cartersville, Shoal Creek Drive & Sunnyvale.
2. St. Robert and Waynesville.
3. Hayti and Hayti Heights.
4. Scott City & Illmo.
5. Ironton, Pilot Knob & Arcadia.
6. Desloge, Leadwood, Flat River, Rivermines, Elvins & Esther.
7. Wyatt and Wilson City.
8. Festus & Crystal City.
9. Jefferson City, Holt's Summit & Cedar City.
10. St. Joseph & Country Club Village.
11. Mexico & Vandiver Village.
12. Lutesville & Marble Hill.
13. Lake of the Ozarks Area - Osage Beach, Lake Ozark & Lakeside.
14. Warrenton and Truesdale.

LIST OF SMSA PLANNING DOCUMENTS

1. The Metroplan "Water and Sewerage Development Plan" with supplements.
2. Comprehensive Water and Wastewater Program - St. Charles County Regional Sewer District (Draft).
3. A Plan for Wastewater Treatment and Sewerage Facilities for Metropolitan Sewer District, July 1972.
4. St. Louis County Water Pollution Control Study  
Phase I (Areas Tributary to Meramec River)  
Phase II (Areas Tributary to Missouri River)
5. Comprehensive Water and Sewer Plan - Franklin County, Missouri (Draft).
6. Comprehensive Water and Sewer Plan - Jefferson County, Missouri.
7. St. Louis Region Water & Sewerage Facilities prepared by East-West Gateway Coordinating Council.
8. Columbia, Missouri Wastewater Planning Report (Draft).
9. "Interim Metropolitan Plan for Pollution Abatement" - Joplin, Missouri, 1971.
10. Interim Report on the Expansion of Sanitary Wastewater Facilities for the Greater Springfield Area, 1971.
11. Interim Plan for Wastewater Collection and Treatment in the St. Joseph Metropolitan Regional Area, 1971.